

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (Currently Amended):

A device ~~{110}~~, comprising:

2

a housing ~~{155}~~ having a first side ~~{160}~~ and an opposing second side ~~{165}~~,

4

wherein the housing ~~{155}~~ comprises:

6

an opening ~~{170}~~ extending from the first side ~~{160}~~ to the second side ~~{165}~~; and

8

10

multiple alignment pins ~~{180}~~ imbedded in the housing ~~{155}~~ and extending external to both first and second sides ~~{160,165}~~, wherein on the first side ~~{160}~~ the alignment pins ~~{180}~~ are capable of insertion into matching holes on an electronic probe ~~{130}~~, and wherein on the second side ~~{165}~~ the alignment pins ~~{180}~~ are capable of insertion into matching holes ~~{185}~~ on an electronic circuit assembly ~~{120}~~.

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Claim 2 (Currently Amended):

2

The device ~~{110}~~ as recited in claim 1, further comprising at least one fastener part ~~{196}~~ capable of attaching the electronic probe ~~{130}~~ to the housing ~~{155}~~.

Claim 3 (Currently Amended):

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The device ~~{110}~~ as recited in claim 2, wherein the fastener part ~~{196}~~ comprises a threaded screw hole ~~{196}~~ into which a screw ~~{135}~~ attached to the electronic probe ~~{130}~~ can be inserted.

Claim 4 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 1, wherein the at least one fastener part ~~{196}~~ comprises two fastener parts ~~{196}~~.

Claim 5 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 4, wherein the fastener parts ~~{196}~~ each comprise a threaded screw hole ~~{196}~~ into which a screw ~~{135}~~ attached to the electronic probe ~~{130}~~ can be inserted.

Claim 6 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 1, wherein the axis of each alignment pin ~~{180}~~ is parallel to the axis of the opening ~~{170}~~.

Claim 7 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 1, wherein on the second side ~~{165}~~ the alignment pins ~~{180}~~ are capable of attachment to the electronic circuit assembly ~~{120}~~ following their insertion into the
4 electronic circuit assembly ~~{120}~~ matching holes ~~{185}~~.

Claim 8 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 7, wherein attachment of the alignment pins ~~{180}~~ to the electronic circuit assembly ~~{120}~~ is effected by soldering the alignment pins ~~{180}~~ into the electronic circuit
4 assembly ~~{120}~~ matching holes ~~{185}~~.

Claim 9 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 1, wherein the electronic circuit assembly ~~{120}~~ is a printed circuit board ~~{120}~~.

Claim 10 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 1, wherein the multiple alignment pins ~~{180}~~ comprise four alignment pins ~~{180}~~.

Claim 11 (Currently Amended):

~~The device [110] as recited in claim 1, further~~ A device, comprising:

a housing having a first side and an opposing second side, wherein the housing comprises:

an opening extending from the first side to the second side; and

multiple alignment pins imbedded in the housing and extending external to both first and second sides, wherein on the first side the alignment pins are capable of insertion into matching holes on an electronic probe, and wherein on the second side the alignment pins are capable of insertion into matching holes on an electronic circuit assembly; and

a first key ~~[175]~~, wherein when the first key ~~[175]~~ is aligned with a matching geometry on the electronic probe ~~[130]~~, entry of the electronic probe ~~[130]~~ into the opening ~~[170]~~ is enabled, otherwise entry is prevented.

Claim 12 (Currently Amended):

~~The device [110] as recited in claim 1, further~~ A device, comprising:

a housing having a first side and an opposing second side, wherein the housing comprises:

an opening extending from the first side to the second side; and

multiple alignment pins imbedded in the housing and extending external to both first and second sides, wherein on the first side the alignment pins are capable of insertion into matching holes on an

12 electronic probe, and wherein on the second side the alignment pins are
 capable of insertion into matching holes on an electronic circuit
 assembly; and

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 a second key ~~{190}~~, wherein when the second key ~~{190}~~ is aligned with
16 a matching geometry ~~{195}~~ on the electronic circuit assembly ~~{120}~~,
 attachment of the device ~~{110}~~ to the electronic circuit assembly ~~{120}~~
18 is enabled, otherwise such entry is prevented.

Claim 13 (Currently Amended):

 The device ~~{110}~~ as recited in claim 12, wherein the second key ~~{190}~~
2 is an additional pin ~~{190}~~ imbedded in the housing ~~{155}~~ and extending
 external to the second side ~~{165}~~ and wherein the matching geometry
4 ~~{195}~~ on the electronic circuit assembly ~~{120}~~ is a hole ~~{195}~~ into
 which the additional pin ~~{190}~~ is capable of insertion.

Claim 14 (Currently Amended):

 The device ~~{110}~~ as recited in claim 12, further comprising:
2
 a first key ~~{175}~~, wherein when the first key ~~{175}~~ is aligned with a
4 matching geometry on the electronic probe ~~{130}~~, entry of the
 electronic probe ~~{130}~~ into the opening ~~{170}~~ is enabled, otherwise
6 entry is prevented.

Claim 15 (Currently Amended):

 The device ~~{110}~~ as recited in claim 14, further comprising at least one
2 fastener part ~~{196}~~ capable of attaching the electronic probe ~~{130}~~ to
 the housing ~~{155}~~.

Claim 16 (Currently Amended):

 The device ~~{110}~~ as recited in claim 15, wherein the fastener part ~~{196}~~

2 comprises a threaded screw hole ~~{196}~~ into which a screw ~~{135}~~
attached to the electronic probe ~~{130}~~ can be inserted.

Claim 17 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 14, wherein on the second side
~~{165}~~ the alignment pins ~~{180}~~ are capable of attachment to the
electronic circuit assembly ~~{120}~~ following their insertion into the
4 electronic circuit assembly ~~{120}~~ matching holes ~~{185}~~.

Claim 18 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 17, wherein attachment of the
alignment pins ~~{180}~~ to the electronic circuit assembly ~~{120}~~ is effected
by soldering the alignment pins ~~{180}~~ into the electronic circuit
4 assembly ~~{120}~~ matching holes ~~{185}~~.

Claim 19 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 14, wherein the electronic circuit
assembly ~~{120}~~ is a printed circuit board ~~{120}~~.

Claim 20 (Currently Amended):

2 The device ~~{110}~~ as recited in claim 14, wherein the multiple
alignment pins ~~{180}~~ comprise four alignment pins ~~{180}~~.